



## FAEGRE &amp; BENSON LLP

2200 WELLS FARGO CENTER, 90 SOUTH SEVENTH STREET  
MINNEAPOLIS, MINNESOTA 55402-3901  
TELEPHONE 612-766-7000  
FACSIMILE 612-766-1600

RECEIVED

FEB 09 2004

Technology Center 2600

## FACSIMILE TRANSMITTAL SHEET

Minneapolis Document Service Center (20th Floor)  
Facsimile No. 612/766-1600

THIS TELECOPY IS INTENDED ONLY FOR THE USE OF THE PERSON TO WHOM IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF YOU ARE NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

Date: February 5, 2004

Time: 1:45 p.m. (Minneapolis)

Number of pages (including this page): 13

F&amp;B File No.: 17310-242924 Rec.: 328

From: John M. Haurykiewicz

Telephone Number:

612/766-8216

To: Missing Parts  
703.746.4060

Applicant: RANDOLPH EDWARD FOSSUM

Examiner:

Serial No.: 10/041,945

Group Art Unit: 2652

Filed: January 7, 2002

For: BASE PLATE WITH TAPERED  
INSIDE DIAMETER

Docket No. 17310-242924

We received a Notice of Abandonment on January 16, 2004. The Notice, attached herewith, cited failure to reply as the reason. However, we filed a response on March 6, 2002, copy attached. Please confirm to us that this patent application is reinstated.

- A copy of Notice of Abandonment (1 page);
- A copy of the Response to Notice to File Missing Parts (3 pages);
- A copy of the Claims Fee Calculation (1 page);
- A copy of the redacted file copy of the credit card form (1 page);
- A copy of the Combined Declaration and Power of Attorney (2 pages);
- Preliminary Amendment (3 pages);
- A copy of the return receipt postcard showing receipt by OIPE at the USPTO on March 15, 2002 (1 page).

M2:20600510.01

If you do not receive all pages, please call the Fax Center at 612/766-1650  
or Kimberly Bzdok at 612/766-7948.

BEST AVAILABLE COPY

FROM FAEGRE & BENSON



(HU) 2. 5' 04 13:50/ST. 13:47/NO. 4863101442 P 2

RECEIVED

JAN 20 2004



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/041,945	01/07/2002	Randolph Edward Fossum	17310-242924

CONFIRMATION NO. 4900

25764  
FAEGRE & BENSON LLP  
2200 WELLS FARGO CENTER  
90 SOUTH 7TH STREET  
MINNEAPOLIS, MN 55402

RECEIVED

FEB 09 2004

Technology Center 2600

ABANDONMENT/TERMINATION  
LETTER



\*OC000000011707030\*

PR: Zmds: 3-16-04

Date Mailed: 01/16/2004

### NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 02/07/2002.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

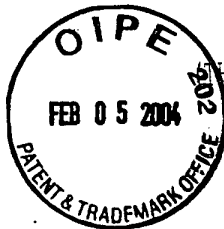
Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

FROM FAEGRE & BENSON



2. 5' 04 13:50/ST. 13:47/NO. 4863101442 P 3

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant:** RANDOLPH EDWARD FOSSUM  
**Serial No.:** 10/041,945  
**Filed:** January 7, 2002  
**For:** BASE PLATE WITH TAPERED  
INSIDE DIAMETER

**Examiner:**  
**Group Art Unit:** 2652

**Docket No.** 17310-242924

**RECEIVED**

FEB 09 2004

Technology Center 2600

Box MISSING PARTS  
Commissioner for Patents  
Washington, D.C. 20231

I CERTIFY THAT, ON MARCH 6, 2002, THIS PAPER IS BEING  
DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN  
AN ENVELOPE ADDRESSED TO THE COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231.

*Karen Hull*  
Karen Hull

**RESPONSE TO**  
**NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL**  
**APPLICATION**  
**FILED UNDER 37 C.F.R. § 1.53(b)**

Dear Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application  
Filed Under 37 CFR 1.53(b), Filing Date Granted, mailed February 7, 2002, Applicant has  
enclosed herewith the following documents to complete the above-identified application filed  
January 7, 2002:

1. Copy of Notice to File Missing Parts of Nonprovisional Application;
2. Claims Fee Calculation (1 page)
3. Credit Card Payment Form, PTO-2038, for \$1,152.00  
Filing Fee \$1,022.00  
Surcharge for Late Filing of Declaration \$ 130.00  
Total \$1,152.00
4. Combined Declaration and Power of Attorney in Original Application  
(executed - 2 pages);
5. Preliminary Amendment (3 pages); and
6. Postcard  
A self-addressed return postcard in accordance with M.P.E.P. Section  
503 itemizing all of the above-referenced documents filed with the  
United States Patent and Trademark Office.

*Continued . . . .*


Response To Notice To File Missing Parts of Nonprovisional Application  
March 6, 2002  
SN 10/041,945  
Page 2

If the amounts submitted herewith are incorrect, the Commissioner is authorized to credit any overpayment or charge any deficit to our Deposit Account No. 06-0029 and notify us of the same.

Respectfully Submitted,

RANDOLPH EDWARD FOSSUM

By:

  
John M. Haurykiewicz, #29,311  
FAEGRE & BENSON LLP  
2200 Wells Fargo Center  
90 South Seventh Street  
Minneapolis, MN 55402-3901  
612/766-8216

Dated: March 6, 2002

M2:20447104.01

FROM FAEGRE & BENSON



(U) 2. 5' 04 13:51/ST. 13:47/NO. 4863101442 P 5



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
WWW.USPTO.GOV

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/041,945	01/07/2002	Randolph Edward Fossum	17310-242924

CONFIRMATION NO. 4900

FORMALITIES LETTER



\*OC00000007435140\*

FAEGRE & BENSON LLP  
2200 Wells Fargo Center  
90 South Seventh Street  
Minneapolis, MN 55402-3901

Date Mailed: 02/07/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

RECEIVED

FILED UNDER 37 CFR 1.53(b)

FEB 09 2004

Filing Date Granted

Technology Center 2600

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$282.
  - \$198 for 11 total claims over 20.
  - \$84 for 1 independent claims over 3 .
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1152.


*A copy of this notice **MUST** be returned with the reply.*

*Theresa Albreton*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>Applicant:</b>	RANDOLPH EDWARD FOSSUM	<b>Examiner:</b>	
<b>Serial No.:</b>	10/041,945	<b>Group Art Unit:</b>	2652
<b>Filed:</b>	January 7, 2002		
<b>For:</b>	BASE PLATE WITH TAPERED INSIDE DIAMETER	<b>Docket No.</b>	17310-242924

**CLAIMS FEE CALCULATION**  
**CLAIMS AS FILED - PART I**

**RECEIVED**

FEB 09 2004

Technology Center 2600

	Number Filed		Number Extra	Rate	Basic Fee
					\$ 740
Total Claims	31	- 20 =	11	x \$ 18	\$ 198
Total Independent Claims	4	- 3 =	1	x \$ 84	\$ 84
Multiply Dependent Claims	0			\$ 280	\$ 0
				<b>Total</b>	<b>\$ 1,022</b>

M2-20447105.01

PTO-2038 (02-2000)

Approved for use through 01/31/2003. OMB 0651-0043

United States Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## United States Patent &amp; Trademark Office

## Credit Card Payment Form

Please Read Instructions before Completing this Form

## Credit Card Information

Credit Card Type: ☐ Visa ☒ MasterCard ☐ American Express ☐ Discover

Credit Card Account #: XXXX XXXX XXXX XXXX

Credit Card Expiration Date: XX-XX

Name as it Appears on Credit Card: XXXXXX XXXXXX

Payment Amount \$(US Dollars): \$1,152.00

Signature: Void Void Void Void Void Date: March 22

Refund Policy: The Office may refund a fee paid by mistake or in excess of that required. A change in the amount of a fee will not entitle a party to a refund of such fee. The Office will not refund amounts of twenty-five cents or less unless a refund is specifically requested, and will not notify the payor of such amounts (37 CFR 1.26). Refund of a fee paid by check will be credited to the credit card account.

Service Charge: There is a 60.00 service charge for processing each payment refused (including check returned "no good") or charged back by a financial institution (37 CFR 1.21(m)).

## Credit Card Billing Address

Street Address 1: 2200 Wells Fargo Center

Street Address 2: 90 South Seventh Street

City: Minneapolis

State: MN

Zip/Postal Code: 55402-3901

Country: USA

Daytime Phone #: 612/766-1600

Fax #: 612/766-1600

## Request and Payment Information

Description of Request and Payment Information:

Filing Fee (122.00) and Charge for late filing of declaration (130.00)

☒ Patent Fee☐ Maintenance Fee☐ Trademark Fee☐ Other FeeApplication No.  
10/041,945

Application No.

Serial No.

IDON Customer No.

Patent No.

Patent No.

Registration No.

Attorney Docket No.  
17310-242924

Identify or Describe Mark

If the cardholder includes a credit card number on any form or document other than the Credit Card Payment Form, the United States Patent & Trademark Office will not be liable in the event that the credit card number becomes public knowledge.

Document 14



PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<b>Applicant:</b> RANDOLPH EDWARD FOSSUM	<b>Examiner:</b> <u>                    </u>
<b>Serial No.:</b> 10/041,945	<b>Group Art Unit:</b>
<b>Filed:</b> January 7, 2002	
<b>For:</b> BASE PLATE WITH TAPERED INSIDE DIAMETER	<b>Docket No.</b> 17310-242924

**COMBINED DECLARATION AND  
POWER OF ATTORNEY IN ORIGINAL APPLICATION**

RECEIVED

FEB 09 2004

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

Technology Center 2600

I believe I am an original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled BASE PLATE WITH TAPERED INSIDE DIAMETER, the specification of which was filed on January 7, 2002 as Application Serial No. 10/041,945.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**Prior Foreign Application(s)**

<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>	<u>Priority Claimed</u>
<u>None</u>	<u>          </u>	<u>                                </u>	Yes <u>      </u> No <u>      </u>
<u>          </u>	<u>          </u>	<u>                                </u>	Yes <u>      </u> No <u>      </u>

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56



which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

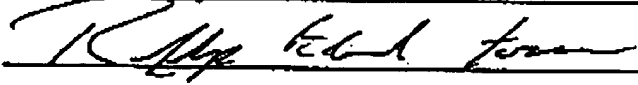
Appln. Ser. No.	Filing Date	Status: patented, pending abandoned
<u>None</u>	<u></u>	<u></u>

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Felicia J. Boyd, Reg. No. 32,683; Paul W. Busse, Reg. No. 32,403; Lynn C. Cameron, Reg. No. 44,581; John M. Haurykiewicz, Reg. No. 29,311; Peter J. Kinsella, Reg. No. 39,729; Robert B. Leonard, Reg. No. 33,946; Walter C. Linder, Reg. No. 31,707; Karl G. Schwappach, Reg. No. 35,786; William K. Weimer, Reg. No. 38,655; Gary S. Weinstein, Reg. No. 42,217; and Tong Wu, Reg. No. 43,361.

Address all correspondence to Karl G. Schwappach, FAEGRE & BENSON LLP, 2200 Wells Fargo Center, 90 South Seventh Street, Minneapolis, MN 55402-3901, telephone 612/766-7773.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole inventor: Randolph Edward Fossum

Inventor's signature: 

3/4/02

Date

Residence: 2951 Washburn Circle, Richfield, MN 55423

P.O. Address: same as above

Citizenship: United States of America

M2-20443516.01  
(F&B 12/6/99)



## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant:** RANDOLPH EDWARD FOSSUM  
**Serial No.:** 10/041,945  
**Filed:** January 7, 2002  
**For:** BASE PLATE WITH TAPERED  
 INSIDE DIAMETER

**Examiner:** [REDACTED]  
**Group Art Unit:** 2652  
**Docket No.** 17310-242924

**Box MISSING PARTS**  
 Commissioner for Patents  
 Washington, D.C. 20231

I CERTIFY THAT, ON MARCH 6, 2002, THIS PAPER IS BEING  
 DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN  
 AN ENVELOPE ADDRESSED TO: BOX MISSING PARTS, COMMISSIONER  
 FOR PATENTS, WASHINGTON, D.C. 20231.

*Karen Hull*  
 Karen Hull

**PRELIMINARY AMENDMENT**

Prior to examination of the above-identified application, please amend the application  
 as follows.

RECEIVED

FEB 09 2004

**In The specification:**

Technology Center 2600

Replace Table 1 on Page 9 with the following table.

	Gram Change				Torque Retention (oz-in)			
	Tension		Compression		Tension		Compression	
	AVG	STD	AVG	STD	AVG	STD	AVG	STD
Control	-0.048	0.06	-0.387	0.05	8.29	1.69	6.12	1.26
Tapered ID	-0.028	0.048	-0.347	0.11	10.44	1.71	7.67	1.69
% Change	-41.67%		-10.34%		25.93%		25.33%	
	Gram Change				Torque Retention (oz-in)			
	Tension		Compression		Tension		Compression	
	AVG	STD	AVG	STD	AVG	STD	AVG	STD
Control	-0.105	0.065	-0.373	0.059	8.01	1.08	5.89	0.8
Tapered ID	-0.059	0.046	-0.291	0.073	9.73	1.29	6.71	1.16
% Change	-43.81%		-21.96%		21.47%		13.92%	
	Gram Change				Torque Retention (oz-in)			
	Tension		Compression		Tension		Compression	
	AVG	STD	AVG	STD	AVG	STD	AVG	STD
Control	-0.134	0.066	-0.465	0.117	5.22	0.93	4.01	0.67
Tapered ID	0.019	0.038	-0.38	0.11	6.43	0.87	5.14	1.08
% Change	-85.9%		-18.3%		23.1%		28.2%	

FROM FAEGRE & BENSON

(THU) 2. 5' 04 13:52/ST. 13:47/NO. 4863101442 P 11

Preliminary Amendment  
March 6, 2002  
SN 10/041,945  
Page 2 of 3

RECEIVED

FEB 09 2004

Technology Center 2600



Remarks


Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "Version With Markings To Show Changes Made."

Please charge to Deposit Account 06-0029 any fees under 37 C.F.R. 1.16 and 1.17 which may be required to file and during the entire pendency of this application. This authorization shall be treated as requesting a petition for an extension of time under 37 C.F.R. 1.136(a) of the appropriate length that may be necessary now or in the future. If the Examiner has any questions or comments, please contact the undersigned attorney.

Respectfully Submitted,

RANDOLPH EDWARD FOSSUM

By:

  
John M. Haurykiewicz, #29,311  
FAEGRE & BENSON LLP  
2200 Wells Fargo Center  
90 South Seventh Street  
Minneapolis, MN 55402-3901  
612/766-8216

Dated: March 6, 2002

1023047113.01

Preliminary Amendment  
 March 6, 2002  
 SN 10/041,945  
 Page 3 of 3

### VERSION WITH MARKINGS TO SHOW CHANGES MADE

#### In The Specification:

Table 1 on page 9 has been amended as follows:

	Gram Change				Torque Retention (oz-in)			
	Tension		Compression		Tension		Compression	
	AVG	STD	AVG	STD	AVG	STD	AVG	STD
Control	-0.048	0.06	-0.387	0.05	8.29	1.69	6.12	1.26
Tapered ID	-0.028	0.048	-0.347	0.11	10.44	1.71	7.67	1.69
% Change	-41.87%		-10.34%		25.93%		25.33%	
	Gram Change				Torque Retention (oz-in)			
	Tension		Compression		Tension		Compression	
	AVG	STD	AVG	STD	AVG	STD	AVG	STD
Control	-0.105	0.065	-0.373	0.059	8.01	1.08	5.89	0.8
Tapered ID	-0.059	0.046	-0.291	0.073	9.73	1.29	6.71	1.16
% Change	-43.81%		-21.96%		21.47%		13.92%	
	Gram Change				Torque Retention (oz-in)			
	Tension		Compression		Tension		Compression	
	AVG	STD	AVG	STD	AVG	STD	AVG	STD
Control	-0.134	0.066	-0.465	0.117	5.22	0.93	4.01	0.67
Tapered ID	0.019	0.038	-0.38	0.11	6.43	0.87	5.14	1.08
% Change	-85.9%		-18.3%		<del>23.1</del> 23.1%		<del>28.2</del> 28.2%	

RECEIVED

FEB 09 2004

Technology Center 2600

RECEIVED

FEB 09 2004

Technology Center 2600

THIS WILL ACKNOWLEDGE RECEIPT OF THE FOLLOWING  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

H METER 714247

- Transmittal Letter with Certificate of Mailing (2 pages)
- Copy of Notice To File Missing Parts of Nonprovisional Application (1 page)
- Claims Fee Calculation (1 page)
- Credit Card Payment Form, PTO-2038, for \$1,152.00
- Combined Declaration and Power of Attorney in Original Application (executed - 2 pages)
- Preliminary Amendment with Certificate of Mailing (3 pages)

Applicant : RANDOLPH EDWARD FOSSUM  
Serial No: 10/041,943  
Filed: January 7, 2002  
For: BASE PLATE WITH TAPERED INSIDE DIAMETER  
Docket No.: 17310-242924  
JMH:kjh  
Date Mailed: March 6, 2002



RECEIVED  
MAR 25 2002  
KAT

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☒ **FADED TEXT OR DRAWING**
- ☒ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**